#### DOCKET NO.:RTS-0678US

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Date of Deposit: August (3, 20)

#### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Sanjay Bhanot et al.

Serial No.: Not yet assigned Group No.: Not yet assigned

Filed: herewith

For: Modulation of diacylglycerol acyltransferase 2 Expression

BOX SEQUENCE Assistant Commissioner for Patents Washington DC 20231

### INFORMATION DISCLOSURE STATEMENT

Pursuant to 37 C.F.R. §1.56 and in accordance with 37 C.F.R. §§1.97-1.98, information relating to the above-identified application is hereby disclosed. Inclusion of information in this statement is not to be construed as an admission that this information is material as that term is defined in 37 C.F.R. §1.56(b).

In accordance with §1.97(b), since this Information Disclosure Statement is being filed either within three months of the filing date of the above identified application, within three months of the date of entry into the national stage of the above identified application as set forth in §1.491, or before the mailing date of a first Office Action on the merits of the above identified application, no additional fee is required.

Copies of each of the references listed on the attached Form PTO-1449 are enclosed.

Date: August 18, 2003

Respectfully submitted,

Laurel Spear Bernstein Registration No. 37,280

ISIS PHARMACEUTICALS, INC. Carlsbad Research Center 2292 Faraday Avenue Carlsbad, CA 92008

Form PTO-1449 Modified			Docket No. RTS-0678US	Serial No. not yet assigned						
List of Patents and Publications Cited by Application (Use several sheets if necessary)			Applicant Sanjay Bhanot <i>et al</i> .							
U.S. Departm and Trademan		of Commerce Patent fice	Filing Date herewith	Group						
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)										
2	AA	Buhman et al., DGAT1 is not essential for intestinal triacylglycerol absorption or chylomicron synthesis, J. Biol. Chem., 2002, 277:25474-25479								
2	AB	Cases et al., Identification of a gene encoding an acyl CoA:diacylglycerol acyltransferase, a key enzyme in triacylglycerol synthesis, Proc. Natl. Acad. Sci. U. S. A., 1998, 95:13018-13023								
1	AC	Cases et al., Cloning of DGAT2, a second mammalian diacylglycerol acyltransferase, and related family members, J. Biol. Chem., 2001, 276:38870-38876								
1	AD	Chen et al., Increased insulin and leptin sensitivity in mice lacking acyl CoA:diacylglycerol acyltransferase 1, J. Clin. Invest., 2002, 109:1049-1055								
1	AE	Chen et al., Leptin modulates the effects of acyl CoA:diacylglycerol acyltransferase deficiency on murine fur and sebaceous glands, J. Clin. Invest., 2002, 109:175-181								
1	AF	Farese et al., Triglyceride synthesis: insights from the cloning of diacylglycerol acyltransferase, Curr. Opin. Lipidol., <b>2000</b> , 11:229-234								
1	AG	Lardizabal et al., DGAT2 is a new diacylglycerol acyltransferase gene family: purification, cloning, and expression in insect cells of two polypeptides from Mortierella ramanniana with diacylglycerol acyltransferase activity, J. Biol. Chem., 2001, 276:38862-38869								
	АН	Meegalla et al., Concerted elevation of acyl-coenzyme A:diacylglycerol acyltransferase (DGAT) activity through independent stimulation of mRNA expression of DGAT1 and DGAT2 by carbohydrate and insulin, Biochem. Biophys. Res. Commun., 2002, 298:317-323								
	AI	encoding acyl coenz	rs et al., Characterization of two human genes ing acyl coenzyme A:cholesterol acyltransferase-ed enzymes, J. Biol. Chem., <b>1998</b> , 273:26765-26771							
EXAMINER			DATE CONSIDERED							

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)								
mechanisms of trig	Smith et al., Obesity resistance and multiple mechanisms of triglyceride synthesis in mice lacking Dgat, Nat. Genet., <b>2000</b> , 25:87-90							
AK Waterman et al., Di and latent DGAT act	Waterman et al., Distinct ontogenic patterns of overt and latent DGAT activities of rat liver microsomes, J. Lipid. Res., 2002, 43:1555-1562							
EXAMINER	DATE CONSIDERED							

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EXAMINER

Form PTO-1449 Modified				Docket No. Ser:		Seria	ial No.					
List of Patents and Publications Cited by Application (Use several sheets if necessary)				Applicant Sanjay Bhanot et al.								
U.S. Department of Commerce Patent and Trademark Office				Filing Date Group								
U.S. PATENT DOCUMENTS												
Examiner's Initial		Document No.	Date		Name		Class	Subclass				
	AA	US 2003/0104414	06/05/2003		Attersand		435	6				
	AB	US 2003/0124126	07/03/2003		Cases et al.		424	146.1				
	AC	US 2003/0028923	02/06/2003		Lardizabal et al.		800	281				
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FOREIGN PATENT DOCUMENTS												
Examiner's Initial		Document No. Date			Country		Translation YES NO					
	ΑO	WO 00/78961	<del></del>	8/2000	PCT		Х					
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	AS	WO 01/77389	10/1	8/2001	PCT		Х					
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